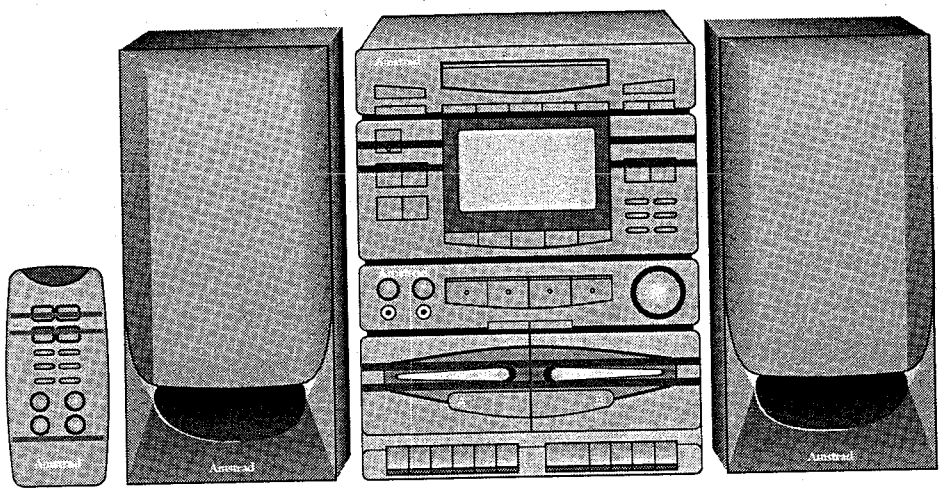
Amstrad



MN 3000

RDS RADIO

MINI HI-FI SYSTEM

SERVICE MANUAL

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Date of first publication January 1994.
Amstrad reserves the right to supply selective components.
Information published was latest at the time of print

LASER SAFETY

This product employs a laser. Only qualified service personnel may remove the cover or attempt to service this product. Failure to observe this notice may result in possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS TO PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

This product bears the following warning label on the rear panel

CLASS 1
LASER PRODUCT

DANGER INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.

CAUTION: HAZARDOUS LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.

ATTENTION: RAYONNEMENT LASER DANGEREUX SI OUVERT AVEC L'ENCLENCHEMENT DE SECURITE ANNULE.

Technical Specifications

CD Section	
Channels	2 Channels
s/n Ratio	60dB Typical
Wow & Flutter	Undetectable
Sampling Frequency	44.1kHz
Quantization	16 bits Linear/Ch
Pickup Laser Source	Semiconductor Laser
Pickup Wave Length	790mm
Cassette Section	
Track Format	4 Track / 2 Channels
Recording System	AC Bias
Erasing System	Magnetic Erase
Tape Speed	4.75cm/sec
F.F./Rew Time	110sec. (C-60 tape)
Frequency Response	40-12000Hz
Radio Section	
Tuning Range	FM 87.6-107MHz MW 531-1602kHz LW 155-281kHz
Antenna	MW/LW Ferrite Bar Antenna
General	
Power Consumption	55w
Speaker Impedance	3.2 Ohm
Power Source	220-240V AC 50Hz
Terminal Impedance	Phones 32 Ohm
Dimensions	248 x 158 x 214 mm (WxHxD) CD Section 248 x 158 x 214 mm (WxHxD) Cassette Section
Weight	9.9kg Approx.
Accessories	AC Cord

SAFETY TESTS

Please note: When any work is carried out on this product , the following safety tests must be carried out to ensure continued safety.

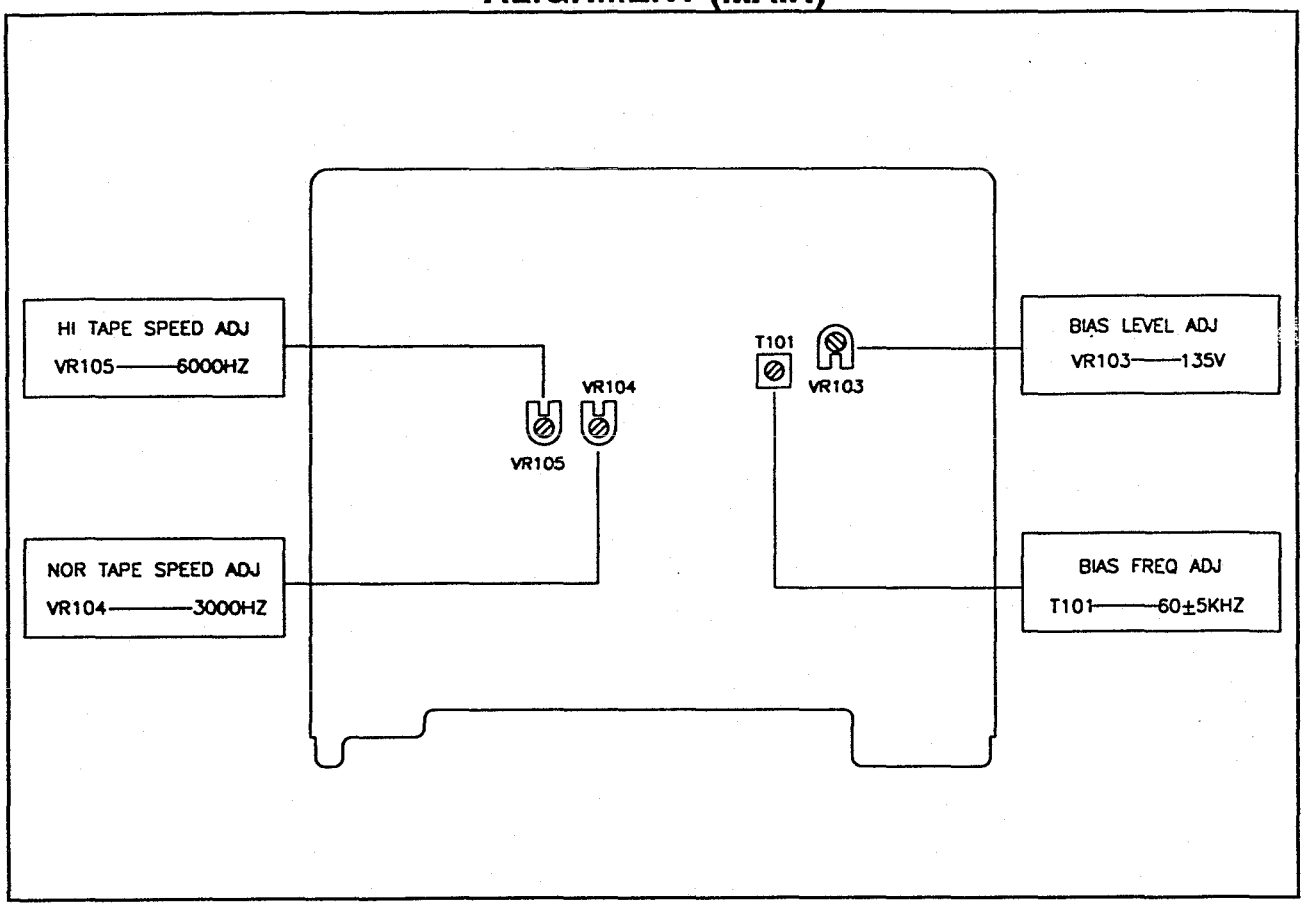
1) Flash test from the mains lead with live and neutral joined together to all accessible external metal points at 3kV.

2) Megger test at 500V DC from the mains lead with live and neutral joined together to all accessible metal points. reading must not fall below 4 M Ohms.

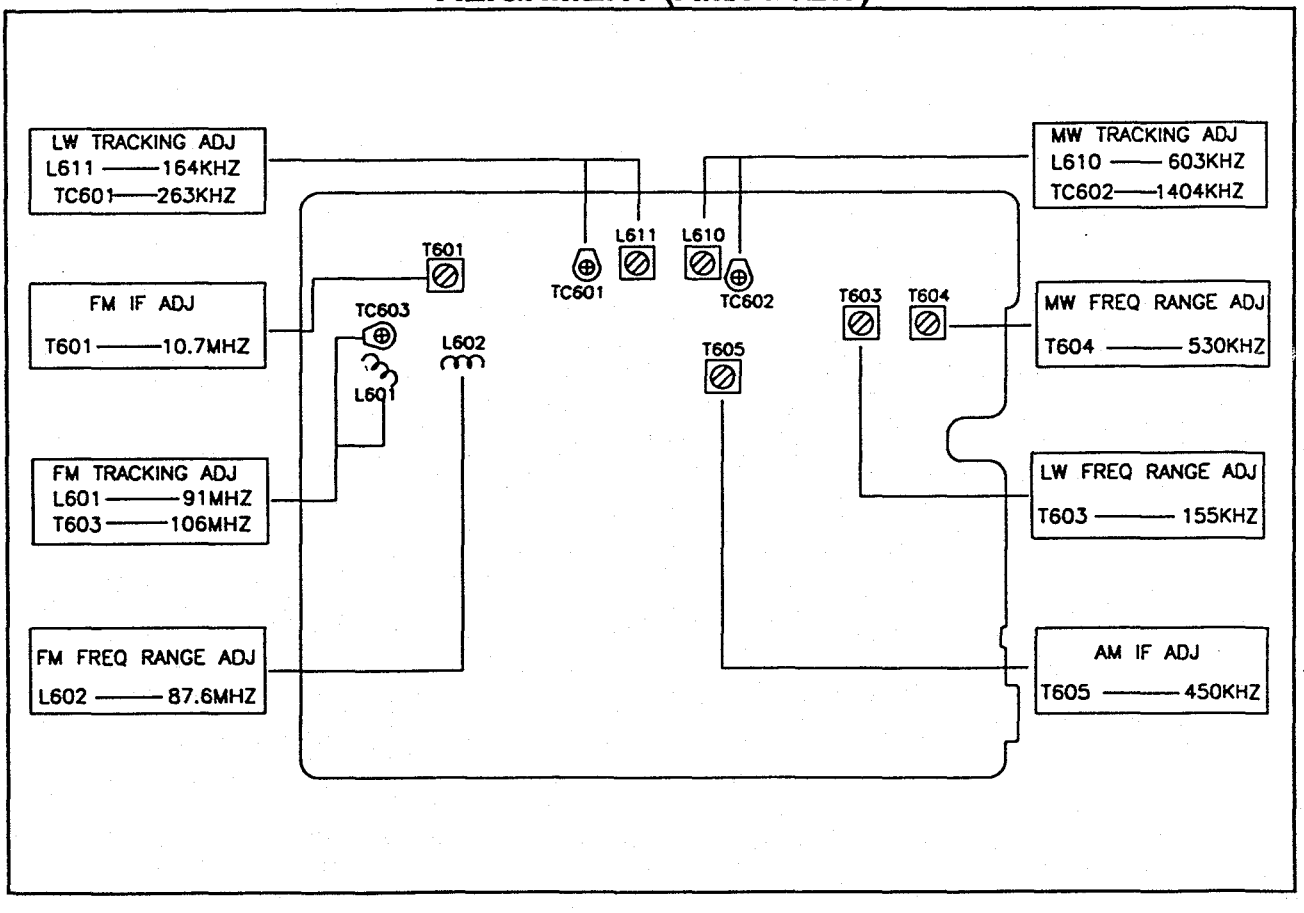
In keeping with our policy of continually improving our service and the technical quality of our product, we reserve the right to change components types, manufacturers, source of supply or technical specifications at any time.

Amstrad Plc.
BRENTWOOD HOUSE, 169 KINGS ROAD, BRENTWOOD ESSEX CM14 4EF

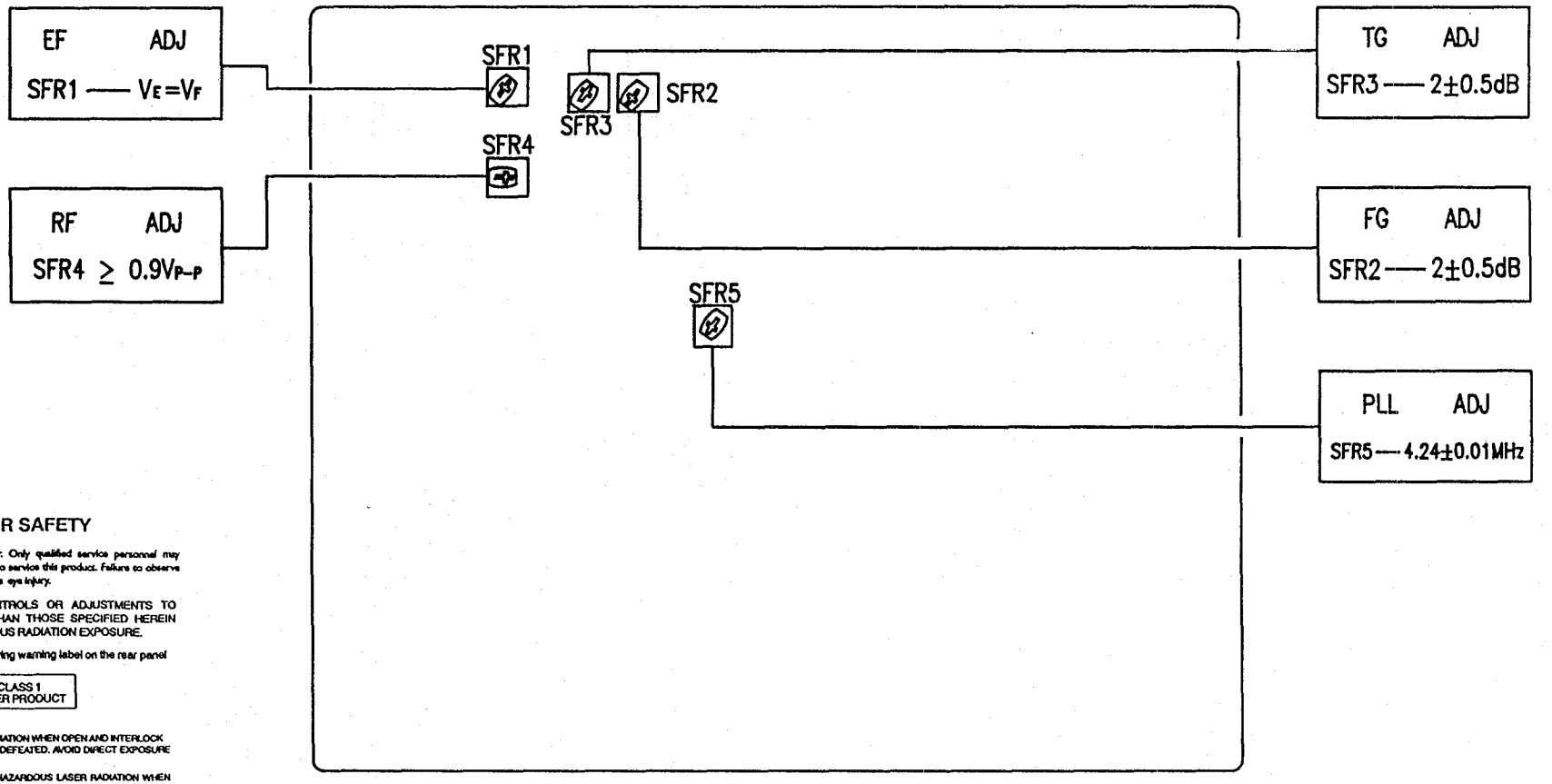
ALIGNMENT (MAIN)



ALIGNMENT (AM/FM/LW)



ADJUSTMENT
MODEL NO. CD388 CD SECTION (CDM-4)



LASER SAFETY

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ATTENTION: RAYONNEMENT LASER DANGEREUX SI OUVERT AVEC L'ENCLENCHEMENT DE SECURITE ANNULE.

VOLTAGE CHART
FM/MW/LW BAND (TUNER & CD SECTION)

IC601(TA7368)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9
FM	0.74	1.48	3.83	1.44	0	4.51	3.72	4.46	4.51

IC602(TA8132)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
MW	4.11	4.08	4.12	3.78	4.13	3.51	0.25	0.02	4.13	1.96	4.84	0
LW	4.10	4.08	4.12	3.78	4.13	3.45	0.63	0.02	4.12	0	4.84	0
PIN'S NUMBER	13	14	15	16	17	18	19	20	21	22	23	24
MW	1.00	1.02	3.63	4.13	3.85	0.64	1.30	3.84	4.10	3.38	4.13	4.13
LW	1.00	1.03	3.64	4.12	3.84	0.64	1.31	3.83	4.10	3.38	4.12	4.12

IC603(TC9217)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10
MW	2.47	2.46	4.81	4.81	4.80	0	4.78	0	0.03	1.72
LW	2.45	2.45	4.80	4.80	4.80	0	0	4.76	0.03	1.65
PIN'S NUMBER	11	12	13	14	15	16	17	18	19	20
MW	0.03	1.69	1.76	2.39	2.35	0	0	1.13	2.20	4.78
LW	0.03	1.64	1.62	2.39	2.34	0	0	1.13	2.20	4.78

IC604(SAA6579T)

PIN'S NUMBER	1	2	3	4	5	6	7	8
	2.00	2.35	2.38	2.37	4.75	0	2.35	2.39
PIN'S NUMBER	9	10	11	12	13	14	15	16
	0	0	0	4.75	2.12	2.38	2.37	2.37

IC605(41923)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14
TAPE	0	0	0	4.84	4.83	2.50	4.85	4.85	0	4.82	4.82	2.38	4.82	4.82
CD	0	0	0	4.84	4.83	2.50	4.85	4.85	0	4.82	4.82	2.38	4.82	4.82
RADIO	0	0	0	4.84	4.82	2.50	4.84	4.84	0	4.82	4.82	2.38	4.82	4.82
PIN'S NUMBER	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAPE	4.82	4.81	4.81	1.13	2.52	0	4.84	4.84	4.84	4.84	4.78	4.84	0	0
CD	4.82	4.81	4.81	1.15	2.52	0	4.84	4.84	4.84	4.84	4.78	4.84	0	0
RADIO	4.82	4.81	4.81	1.13	2.52	0	4.84	4.84	4.84	4.84	4.78	4.84	0	0
PIN'S NUMBER	29	30	31	32	33	34	35	36	37	38	39	40		
TAPE	4.84	1.60	4.84	1.49	1.48	1.45	1.48	1.48	1.48	1.47	1.44	4.84		
CD	4.84	1.60	4.84	1.65	1.64	1.62	1.63	1.64	1.64	1.64	1.65	4.84		
RADIO	4.84	1.60	4.84	1.55	1.55	1.56	1.57	1.56	1.56	1.56	1.57	4.84		

IC606(LA1140)

PIN'S NUMBER	1	2	3	4	5	6	7	8
FM	2.59	2.59	2.59	0	2.16	0.05	5.42	5.10
PIN'S NUMBER	9	10	11	12	13	14	15	16
FM	4.72	0	4.85	9.92	4.89	5.31	4.38	4.76

IC506(8752)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14
CD POSITION	1.97	1.97	0	0	0	4.79	4.78	4.77	0.04	4.81	4.81	4.78	2.99	4.73
PIN'S NUMBER	15	16	17	18	19	20	21	22	23	24	25	26	27	28
CD POSITION	0.02	4.80	0	1.22	1.20	0	4.34	4.29	4.36	4.35	4.26	4.78	4.77	4.78
PIN'S NUMBER	29	30	31	32	33	34	35	36	37	38	39	40		
CD POSITION	3.50	1.46	3.49	4.82	4.83	4.83	0.04	0.04	0.05	0.05	0.05	4.84		

VOLTAGE CHART
FM/MW/LW BAND (TUNER & CD SECTION)

IC501(4261B)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14
TAPE	3.86	7.18	0	3.88	3.88	3.88	3.88	3.87	3.86	3.86	3.87	3.86	3.87	3.86
CD	3.85	7.15	0	3.88	3.88	3.88	3.88	3.85	3.85	3.85	3.87	3.85	3.85	3.85
RADIO	3.88	7.21	0	3.89	3.89	3.89	3.89	3.88	3.88	3.88	3.88	3.88	3.88	3.88
AUX	3.88	7.21	0	3.89	3.89	0	3.89	3.88	3.88	3.88	3.88	3.88	3.88	3.88
PIN'S NUMBER	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TAPE	3.89	0	3.89	3.87	3.88	3.88	3.88	3.22	3.22	3.22	3.22	0	4.85	4.85
CD	3.87	3.86	3.87	3.86	3.87	3.85	3.86	3.22	3.22	3,22	3,22	0	4.86	4.86
RADIO	3.88	3.89	3.89	3.88	3.89	3.88	3.89	3.24	3.24	3.24	3.24	0	4.85	4.85
AUX	3.88	3.89	3.89	3.88	3.89	3.88	3.89	3.24	3.24	3.24	3.24	0	4.85	4.85

	Q601(C535)			Q602(8550)			Q603(C458)			Q604(C535)		
	B	C	E	B	C	E	B	C	E	B	C	E
FM	0.96	1.85	0.24	3.97	4.66	4.67	0.71	0	0	0.75	2.39	0

	Q650(2827)			Q608(C2878)		
	B	C	E	B	C	E
LW	0.65	0	0	4.72	4.12	4.12

	Q606(C2878)			Q607(C2878)		
	B	C	E	B	C	E
MW	0.65	0	0	4.72	4.13	4.13

	Q609(C458)			Q610(8550)		
	B	C	E	B	C	E
FM MONO	4.66	4.23	4.11	4.40	3.91	4.23
FM STEREO	0	4.16	3.25	4.35	3.27	4.15

	Q502(8050)			Q504(1815)			Q505(1815)		
	B	C	E	B	C	E	B	C	E
	0.09	0	0	1.53	9.32	0.86	1.51	9.34	0.84

	Q507(8050)			Q508(8550)		
	B	C	E	B	C	E
	4.43	0.51	4.85	0.51	0	0

CASSETTE SECTION

IC101(BA3416BL)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9
DECK A	0	0	0	0	0.59	0.59	0.01	0	0.01
DECK B	0	0	0	0	0.59	0.59	0.01	0	0.01
PIN'S NUMBER	10	11	12	13	14	15	16	17	18
DECK A	3.55	0.67	3.91	1.89	1.90	0	0	0	0
DECK B	3.54	1.86	3.90	1.88	1.90	0	0	0	1.54

IC102(LA3220)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14
REC	0	3.47	6.23	3.46	3.45	0	0	3.47	0	3.45	3.46	6.24	3.47	6.94

IC104(BA5412)

PIN'S NUMBER	1	2	3	4	5	6	7	8	9	10	11	12
CD POSITION	15.20	7.78	12.89	0.60	0	9.01	13.76	0	0.60	12.86	7.60	0

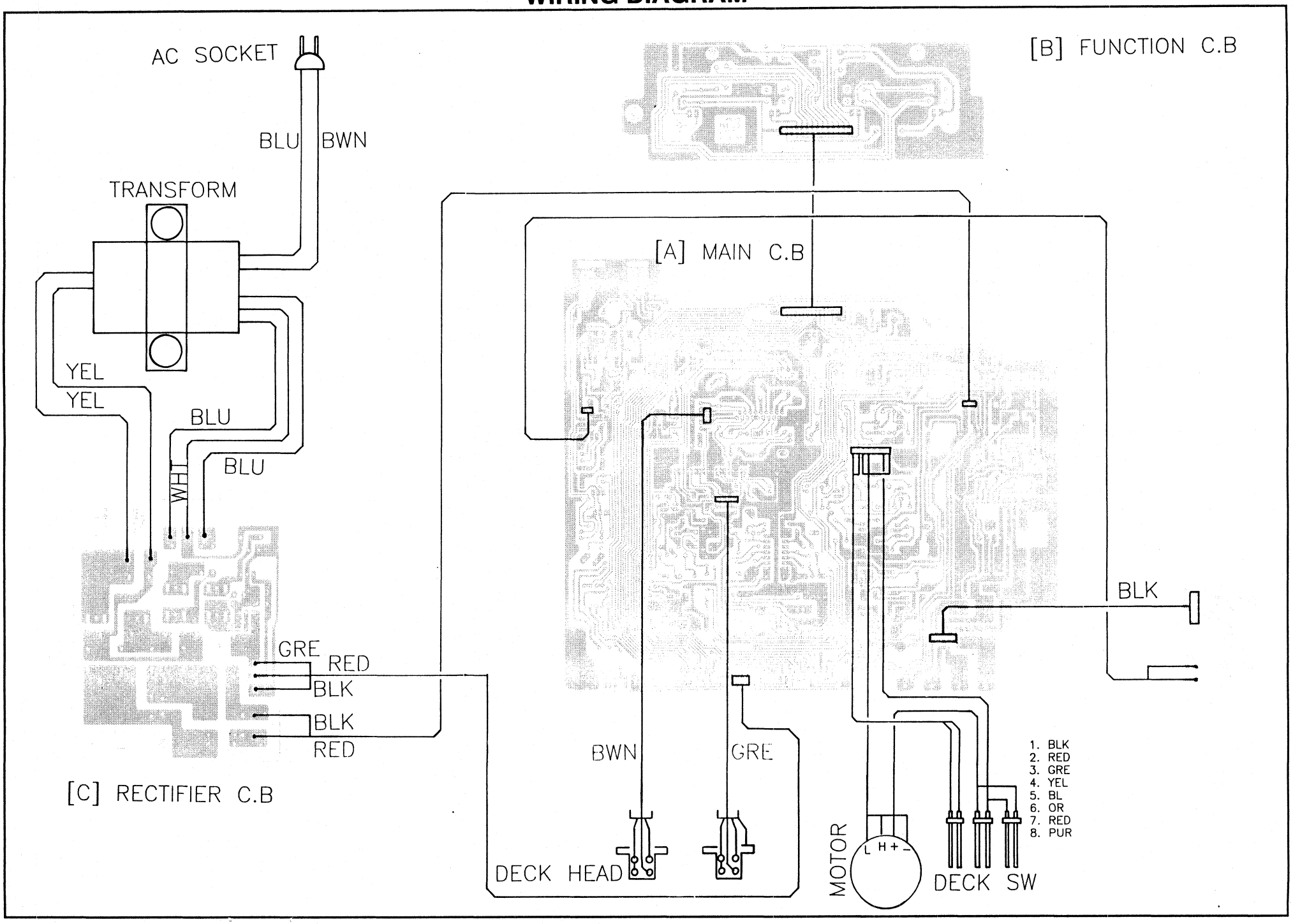
	Q101(C458)			Q102(C458)			Q103(C458)			Q104(C458)		
	B	C	E	B	C	E	B	C	E	B	C	E
	0.83	2.18	0.18	0.83	2.19	0.18	2.50	6.96	0	0.66	2.51	0

	Q105(C458)			Q107(8050)			Q108(C8050)		
	B	C	E	B	C	E	B	C	E
	1.77	6.96	1.10	0.61	0	0	0.60	0	0

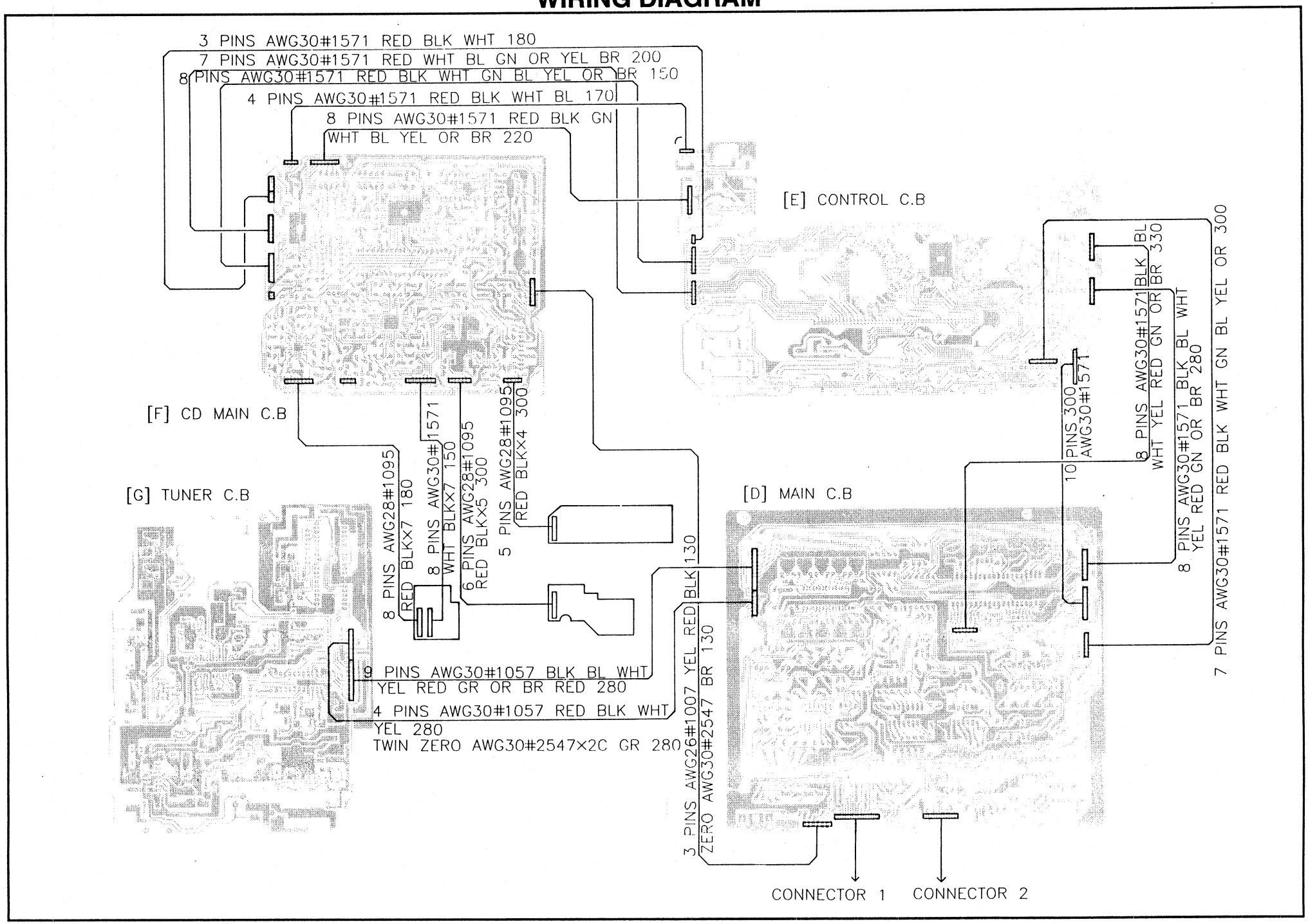
	Q109(C8050)			Q110(C458)			Q111(C458)		
	B	C	E	B	C	E	B	C	E
REC	0.70	6.67	0.09	0	1.54	0	0.23	0.46	0

	Q119(C458)			Q120(C8550)		
	B	C	E	B	C	E
PLAY LOW	3.50	5.70	2.88	5.82	6.48	6.48
PLAY HIGH	3.50	7.28	4.92	7.34	8.10	3.34

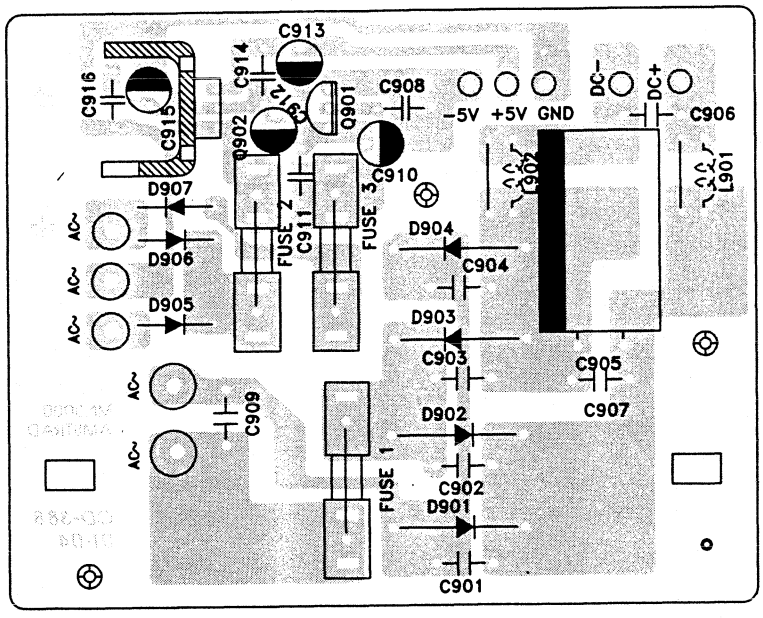
WIRING DIAGRAM



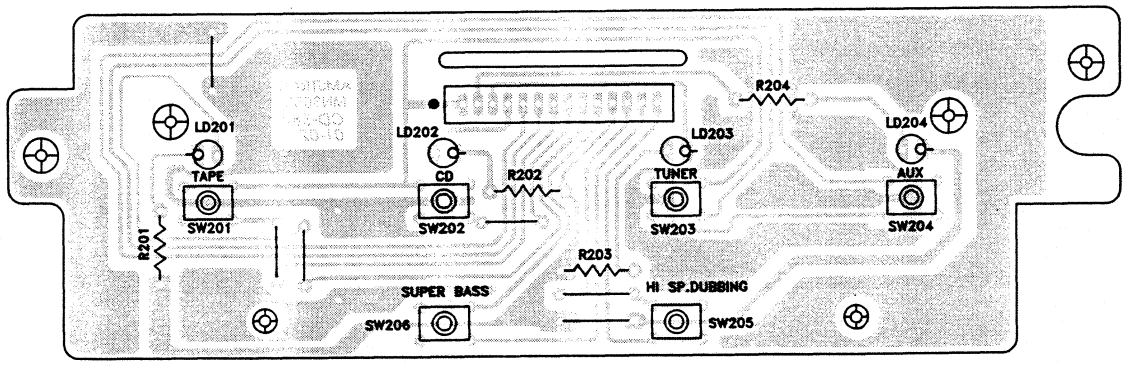
WIRING DIAGRAM


3 PINS AWG30#1571 RED BLK WHT 180
7 PINS AWG30#1571 RED WHT BL GN OR YEL BR 200
8 PINS AWG30#1571 RED BLK WHT GN BL YEL OR BR 150
4 PINS AWG30#1571 RED BLK WHT BL 170
8 PINS AWG30#1571 RED BLK GN WHT BL YEL OR BR 220
[E] CONTROL C.B
[F] CD MAIN C.B
[G] TUNER C.B
[D] MAIN C.B
8 PINS AWG28#1095 RED BLK×7 180
8 PINS AWG30#1571 WHT BLK×7 150
6 PINS AWG28#1095 RED BLK×5 300
5 PINS AWG28#1095 RED BLK×4 300
10 PINS 300 AWG30#1571
8 PINS AWG30#1571 BLK BL BR 330
8 PINS AWG30#1571 BLK BL WHT YEL RED GN OR BR 280
7 PINS AWG30#1571 RED BLK WHT GN BL YEL OR 300
BLK 130
9 PINS AWG30#1057 BLK BL WHT YEL RED GR OR BR RED 280
4 PINS AWG30#1057 RED BLK WHT YEL 280
TWIN ZERO AWG30#2547×2C GR 280
3 PINS AWG26#1007 YEL RED ZERO AWG30#2547 BR 130
CONNECTOR 1
CONNECTOR 2

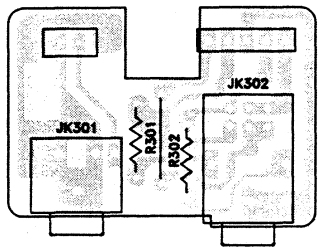
RECTIFIER PCB



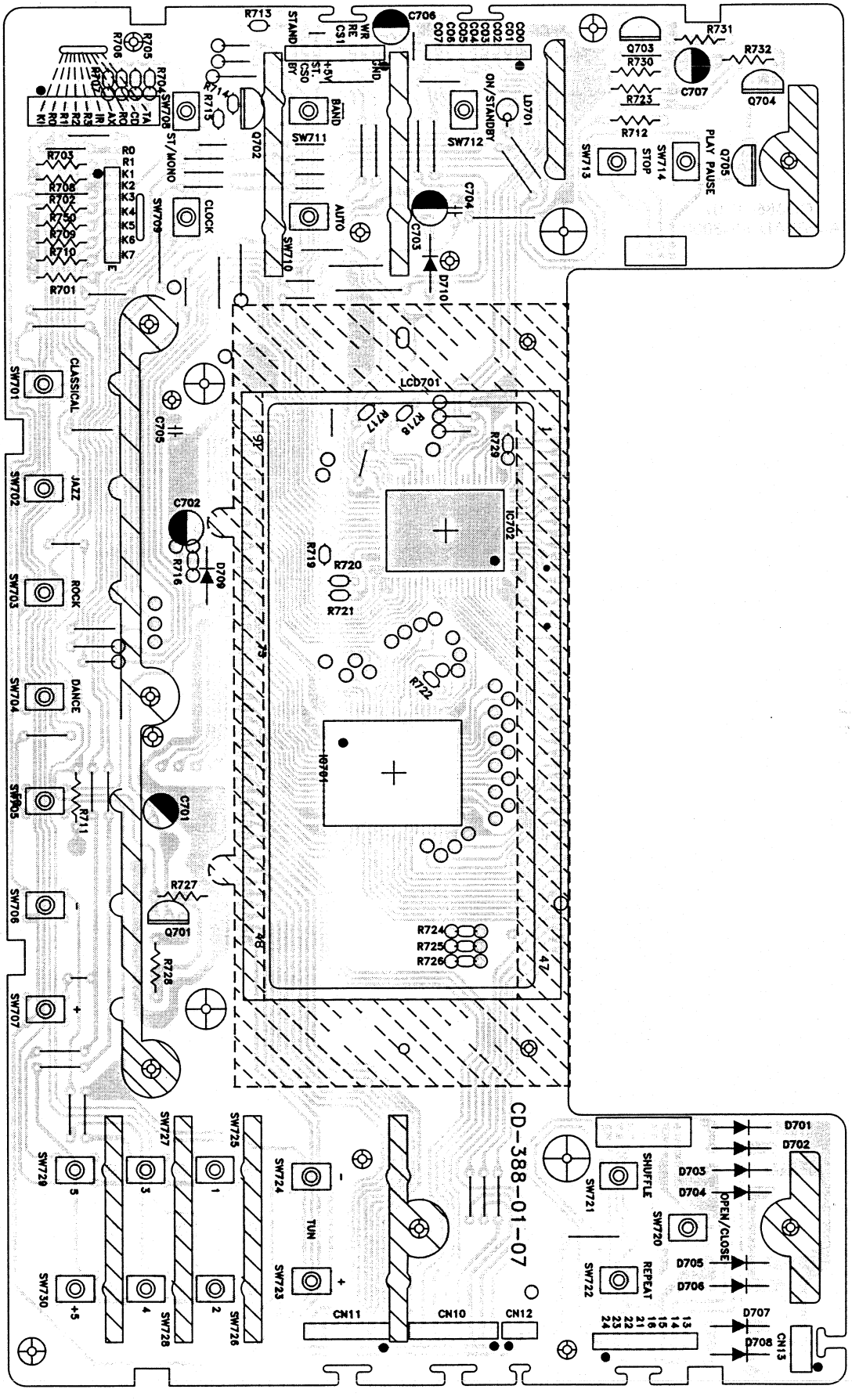
FUNCTION SELECT PCB



HEADPHONE PCB



CONTROL PCB


CD-388-01-07
SW701
SW702
SW703
SW704
SW705
SW706
SW707
SW708
SW709
SW710
SW711
SW712
SW713
SW714
SW720
SW721
SW722
SW723
SW724
SW725
SW726
SW727
SW728
SW729
SW730
CLASSICAL
JAZZ
ROCK
DANCE
ST/MONO
CLOCK
AUTO
BAND
ON/STANDBY
STOP
PLAY PAUSE
SHUFFLE
OPEN/CLOSE
REPEAT
TUN
+5
LCD701
IC702
IC701
LD701
Q701
Q702
Q703
Q704
Q705
D701
D702
D703
D704
D705
D706
D707
D708
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R718
R719
R720
R721
R722
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R725
R726
R727
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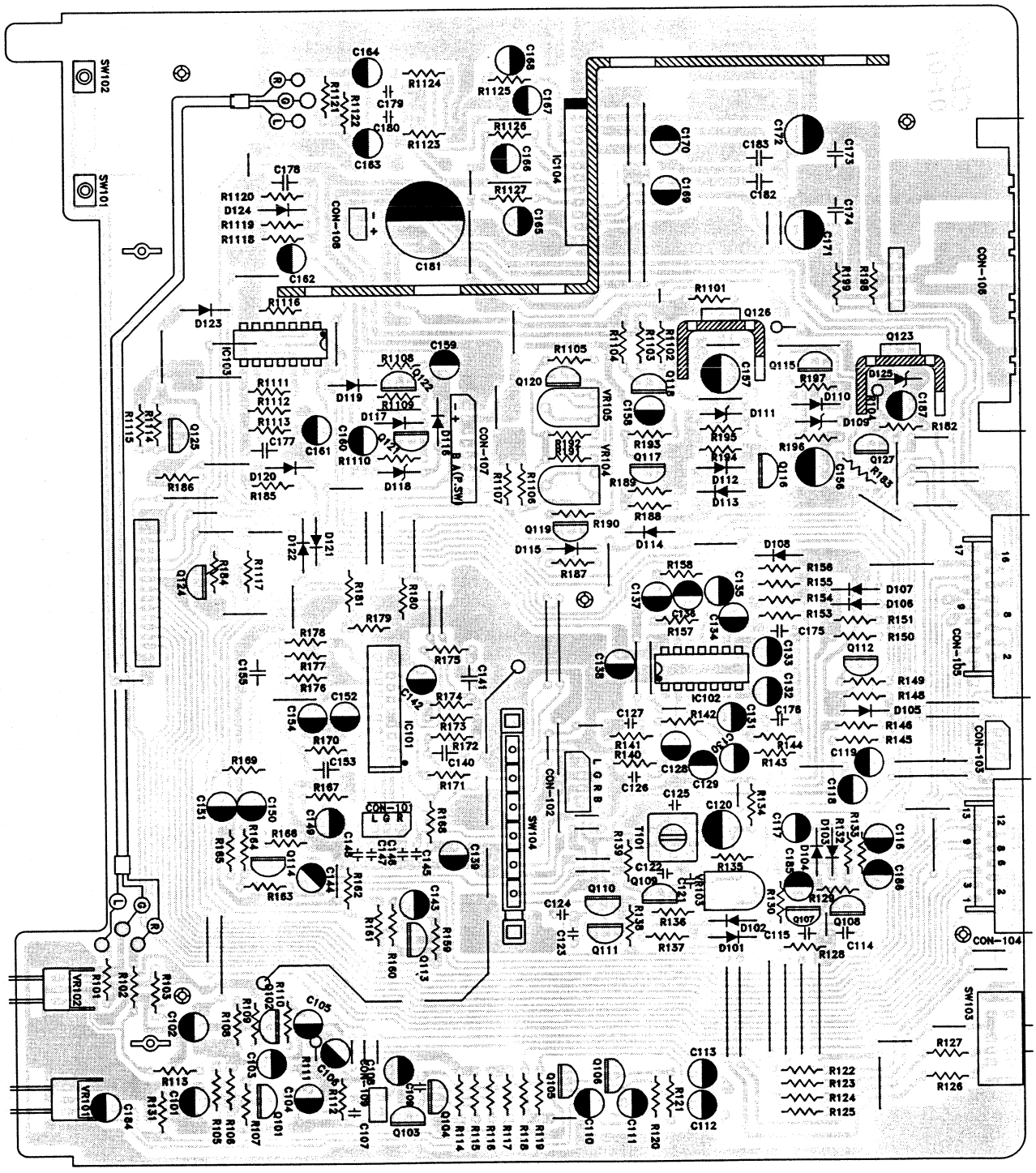
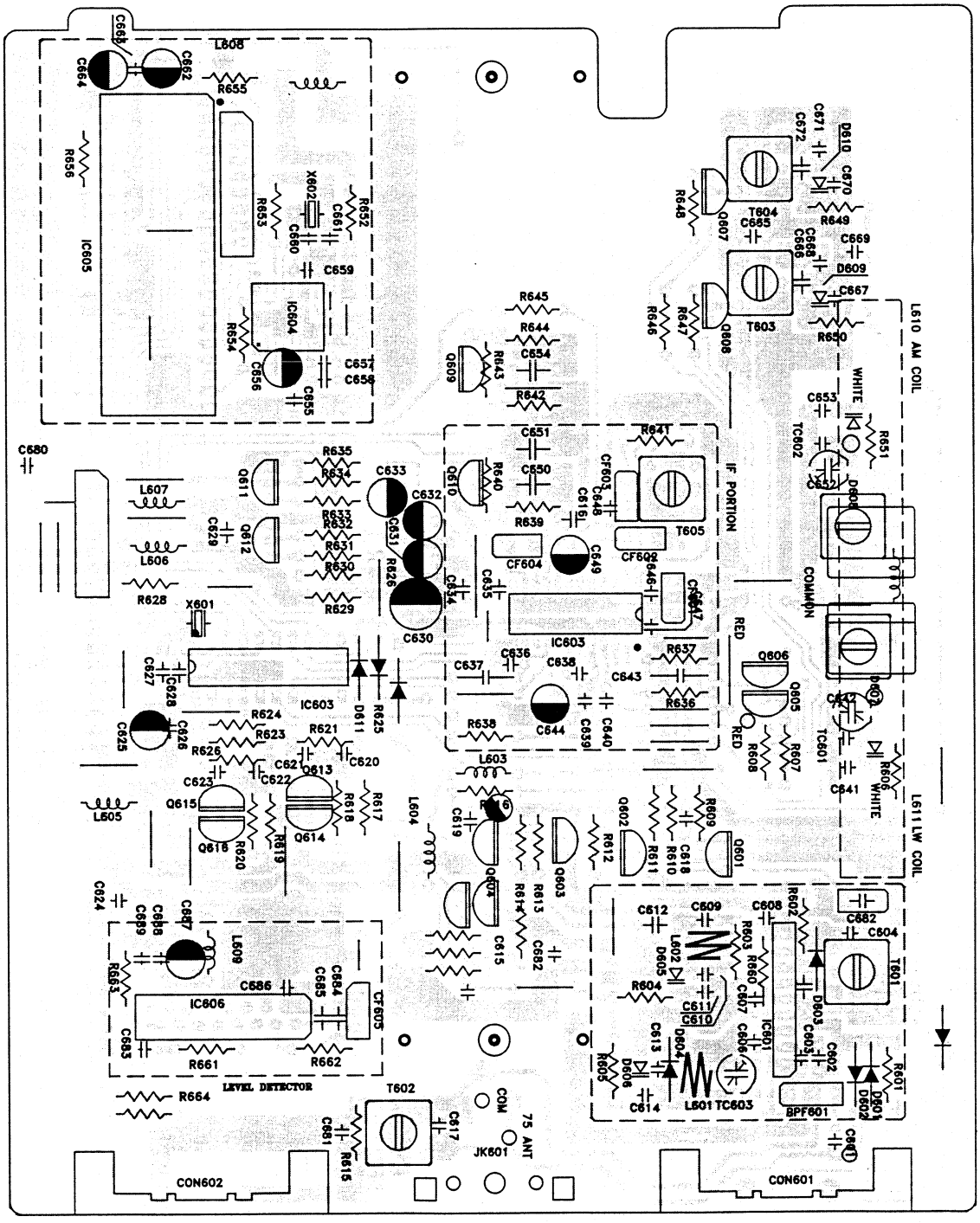
R729
R730
R731
R732

CASSETTE DECK PCB



TUNER PCB


L608
C665
C664
C662
R655
R656
IC605
R653
X602
C660
R652
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IC604
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CON602
CON601
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C687
C689
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R663
C686
C685
C684
IC606
CF605
C683
R661
R662
LEVEL DETECTOR
R664
C624
C625
C626
C627
C628
IC603
D611
R625
R624
R623
R621
C621
C620
R626
C622
C623
Q613
Q615
Q614
R618
R617
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R620
R619
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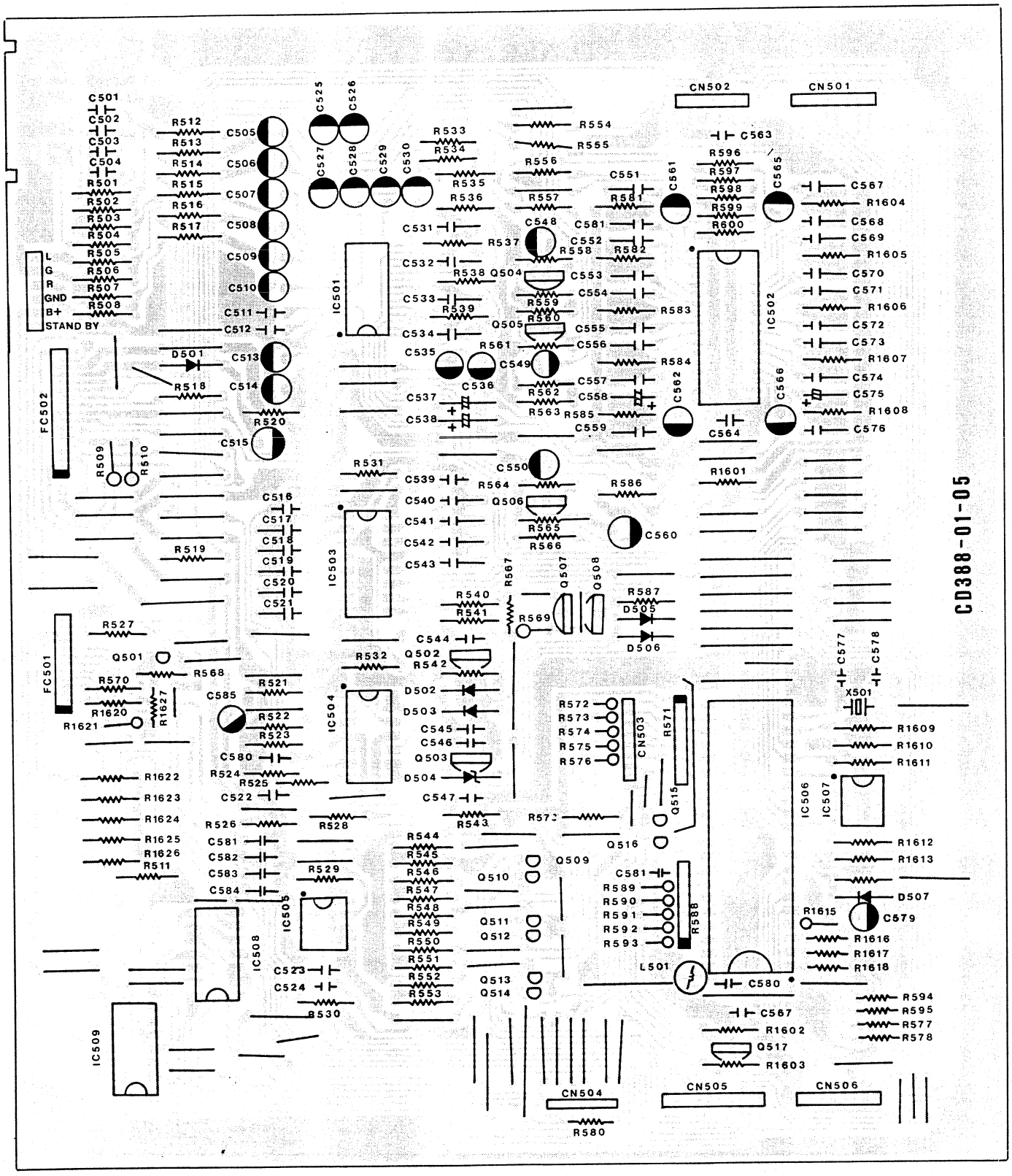
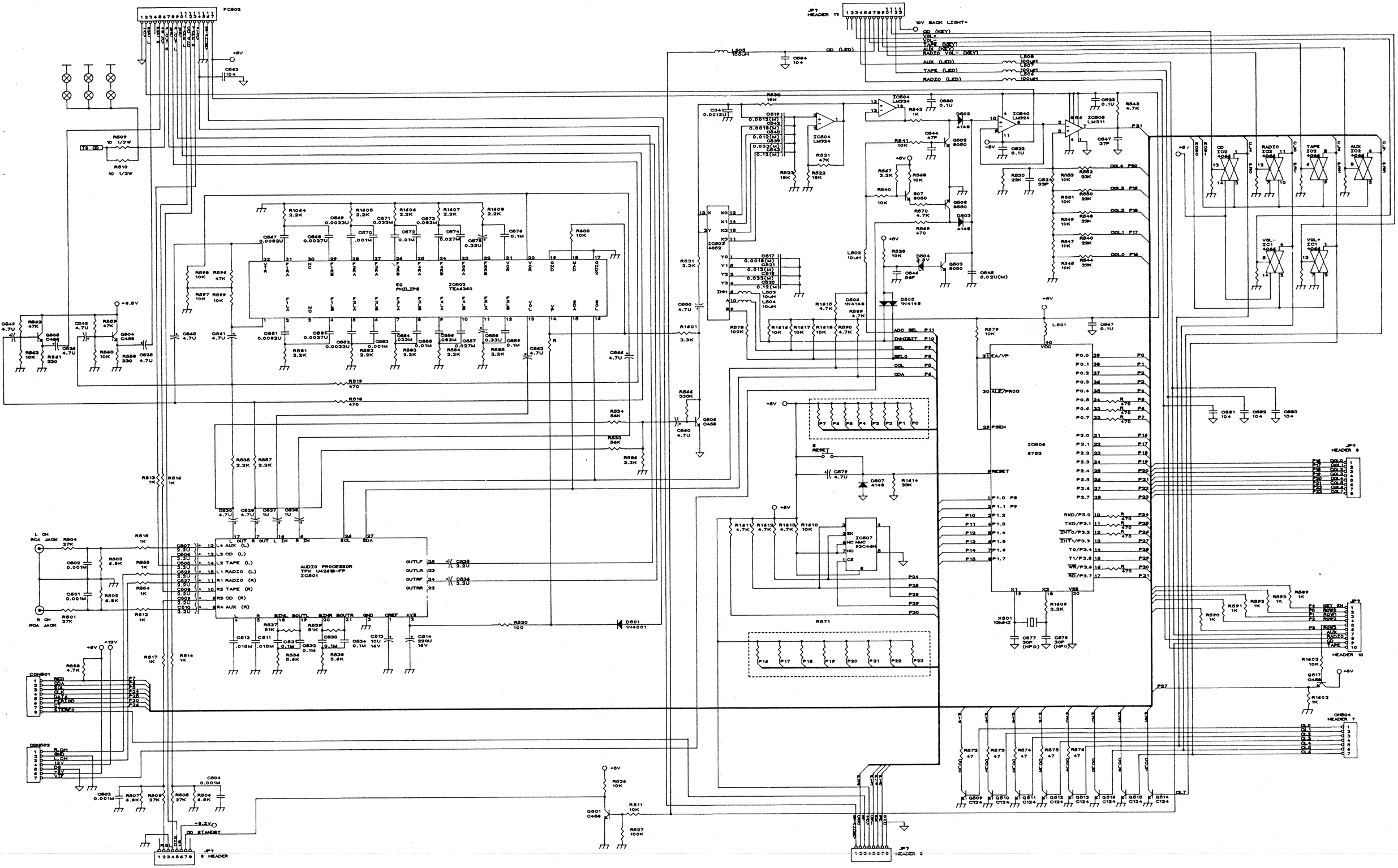
C633
C632
C631
R526
C634
C630
Q606
Q605
RED
R608
R607
C641
TC601
R606
WHITE
L611 LW COIL
L610 AM COIL
C653
WHITE
R651
TC602
C652
D608
COMMON
RED
D607
C645
Q607
T604
C665
R648
C671
C672
D610
C670
R649
C668
C666
C669
D609
C667
R650
T603
R646
R647
Q608

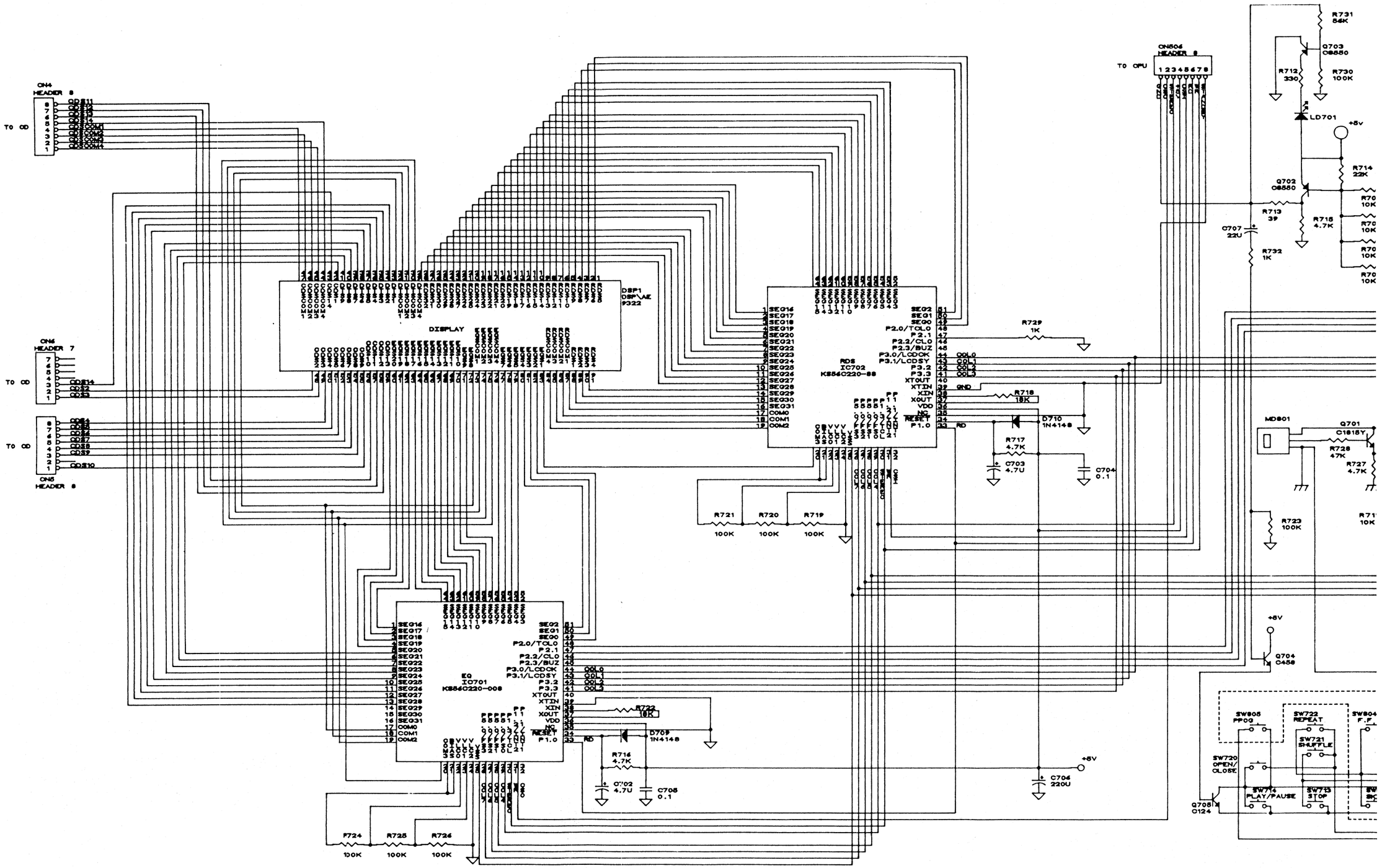
MAIN PCB


CD388-01-05
CN501
CN502
CN503
CN504
CN505
CN506
IC501
IC502
IC503
IC504
IC505
IC506
IC507
IC508
IC509
FC501
FC502
L501
X501
L
G
R
GND
B+
STAND BY

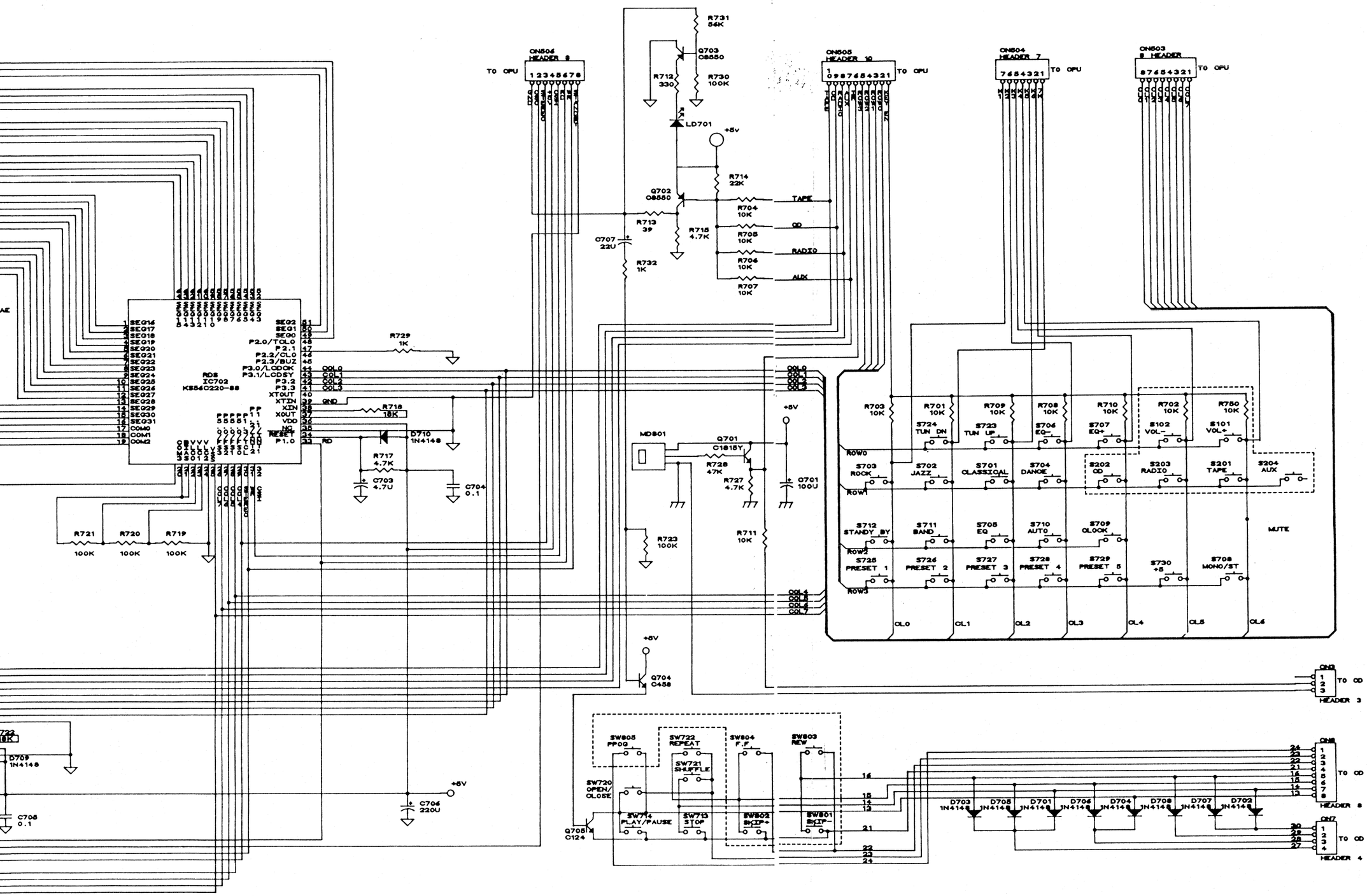
MAIN SCHEMATIC DIAGRAM



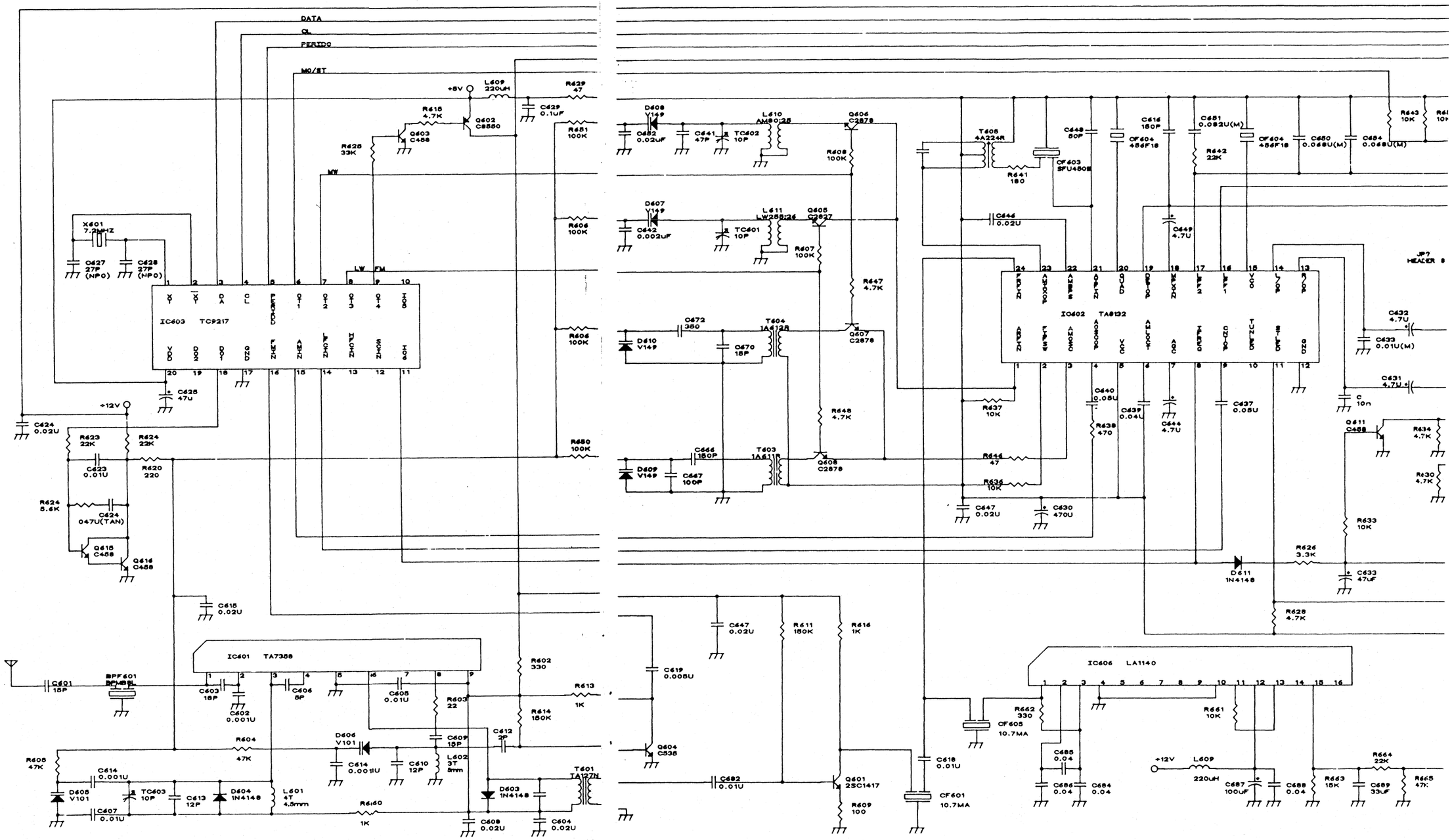
CONTROL SCHEMATIC DIAGRAM



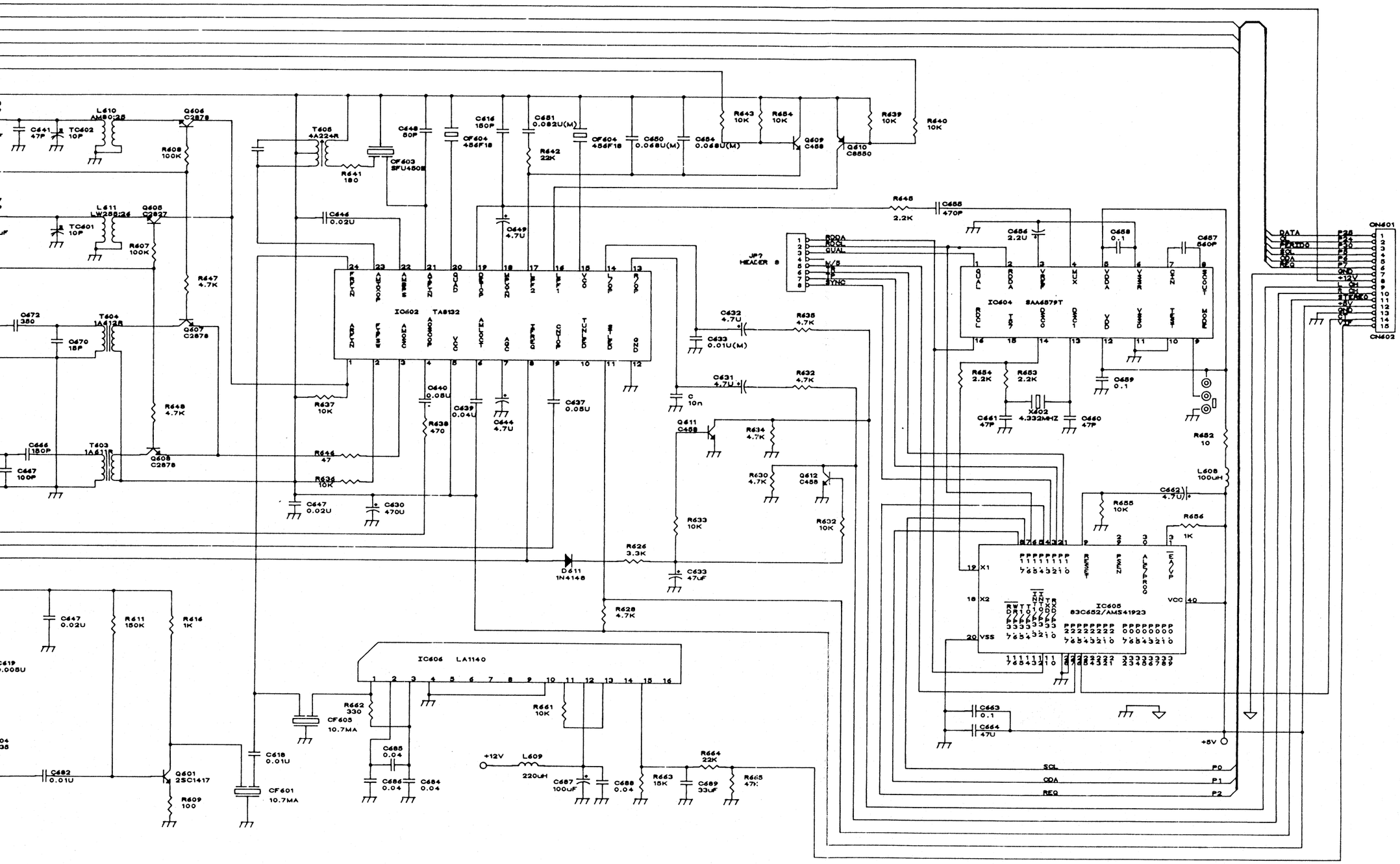
CONTROL SCHEMATIC DIAGRAM



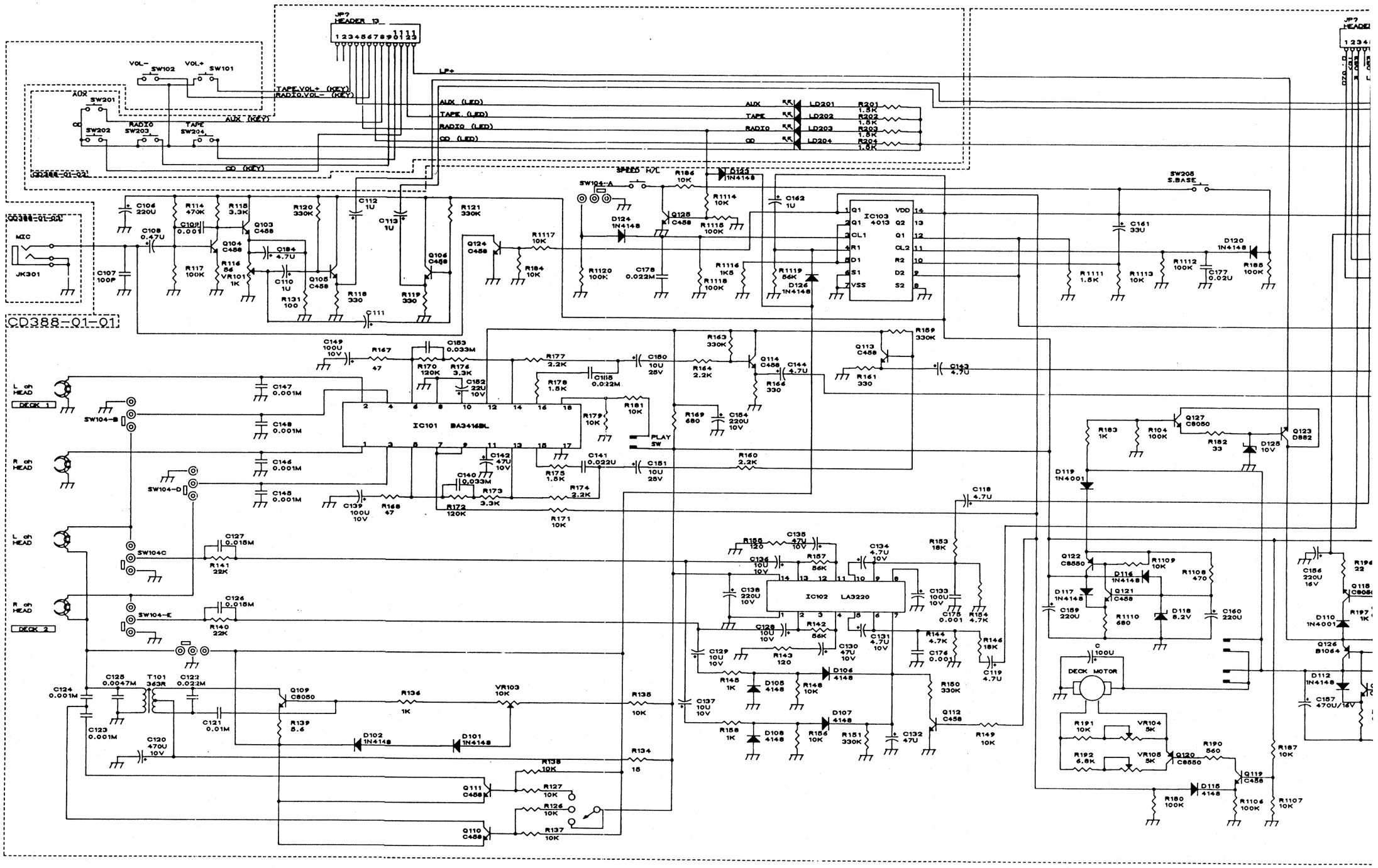
TUNER SCHEMATIC DIAGRAM



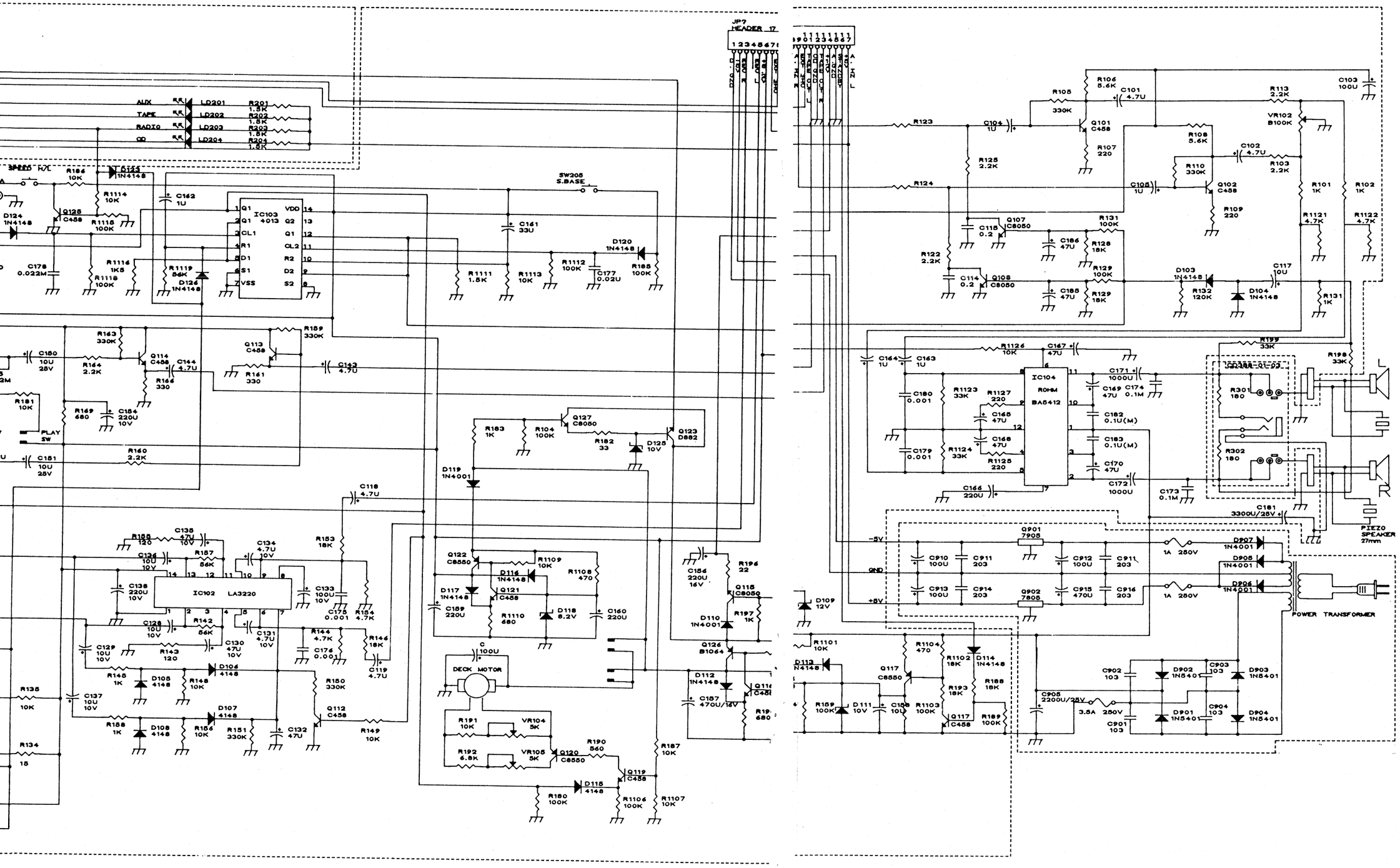
TUNER SCHEMATIC DIAGRAM



CASSETTE SCHEMATIC DIAGRAM



CASSETTE SCHEMATIC DIAGRAM



Cabinet Parts List MN3000

Ref. No.	Description	Pt. No.
15	CD Front Panel Assy	204030
32	CD Back Cabinet	204032
94	Cassette Front Cabinet Assy	204031
93	Cassette Back Cabinet	204033
48	Cassette Door Cover L	204034
49	Cassette Door Cover R	204035
46	Cassette Door Lens L	204036
47	Cassette Door Lens R	204036
17	LCD Display Lens	204037
22	CD Door	204038
	Gear Housing	
83	Cassette Knobn Play 1	204041
84	Cassette Knob Rewind 1	204042
85	Cassette Knob FFwd 1	204043
86	Cassette Knob Stop/Eject 1	204044
87	Cassette Knob Pause 1	204045
82	Cassette Knob Rec	204046
88	Cassette Knob Play 2	204047
89	Cassette Knob Rewind 2	204048
90	Cassette Knob FFwd 2	204049
91	Cassette Knob Stop/Eject 2	204050
92	Cassette Knob Pause 2	204051
69	Volume Knob	204052
54	Super Base / HS Dubbing Knob	204053
51	Rotary Knob Mic Mix / Balance	204054
53	Function Select Knob	204055
10	CD Control Key	204056
40	CD Play / Pause Knob	204057
41	CD Stop Knob	204058
18	CD Open Close Knob	204059
19	CD Shuffle / Repeat Knob	204060
42	Power Knob	204061
	Band Auto Knob	204062
	FM Mode / Clock Knobs	204063
	Preset Eq Knobs	204064
2	Speasker Grille	
	Tuning Knobs	204065
	Tuning Memory 1/2 Knob	204066
	Tuning Memory 3/4 Knob	
	Tuning Memory 5/+5 Knob	
	Volume Shaft	
	Volume Spring	
	Cassette Door Spring	
	CD Back Cabinet Plate	
	Loop Antenna	204069

Amstrad reserves the right to supply selective components

LASER SAFETY

This product employs a laser. Only qualified service personnel may remove the cover or attempt to service this product. Failure to observe this notice may result in possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS TO PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

This product bears the following warning label on the rear panel

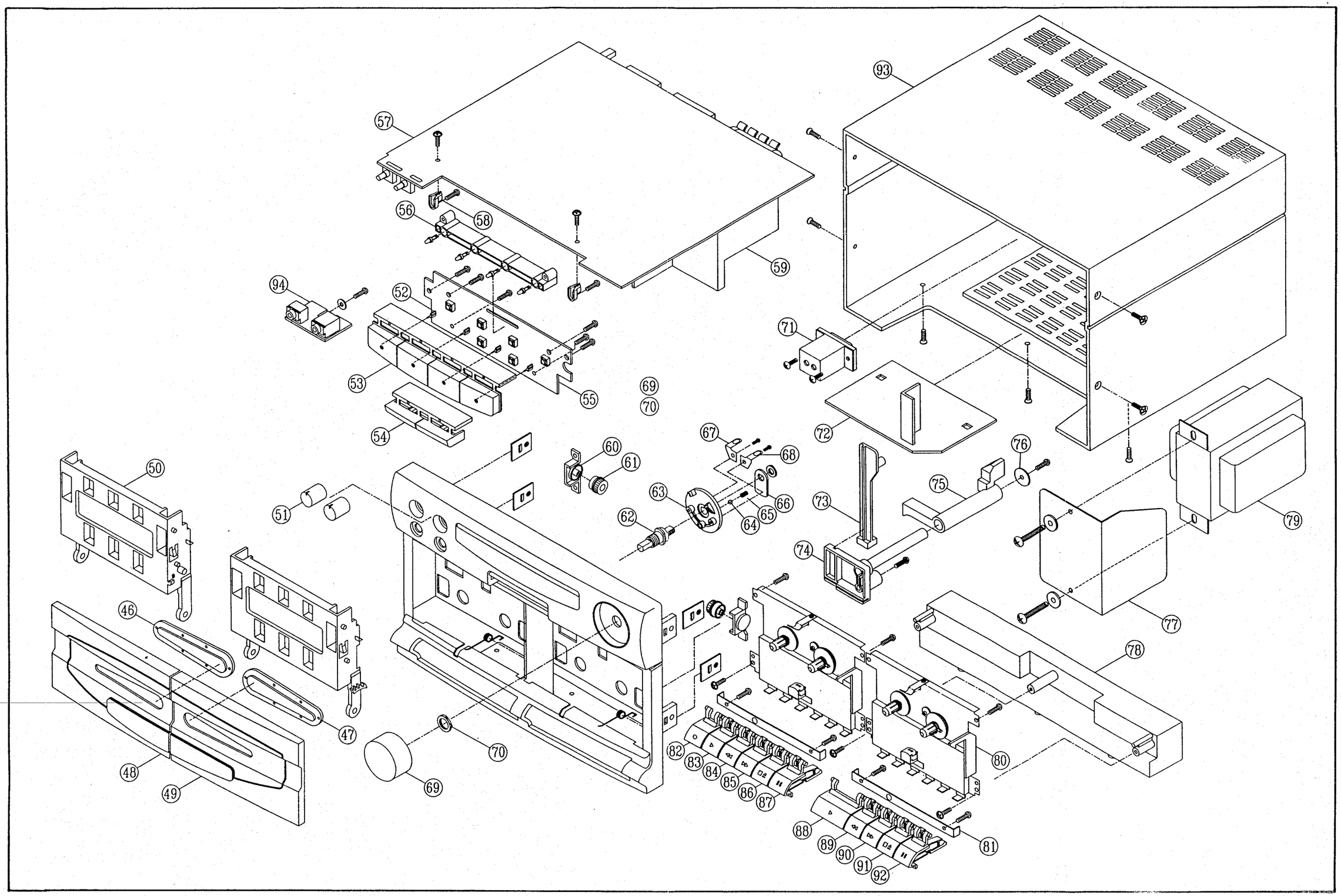
CLASS 1
LASER PRODUCT

DANGER INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.

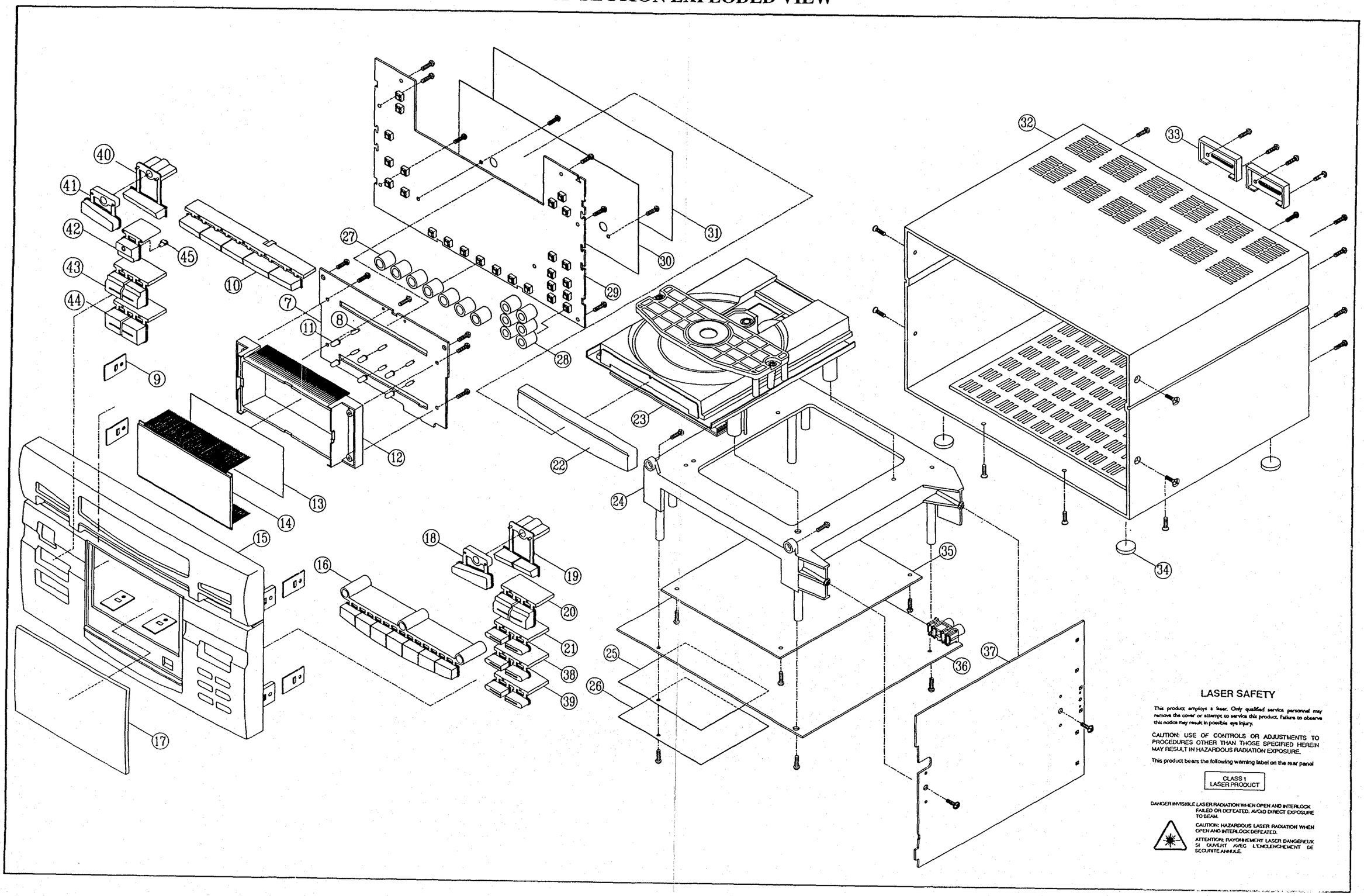
CAUTION: HAZARDOUS LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.

ATTENTION: RAYONNEMENT LASER DANGEREUX SI OUVERT AVEC L'ENCLENCHEMENT DE SECURITE ANNULE.

CASSETTE SECTION EXPLODED VIEW



CD SECTION EXPLODED VIEW



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Electrical Parts List

Ref. No.	Description	Pt. No.
	ICs	
IC605	IC PCB83C652FBP / 505	203975
IC606	IC LA1140	203974
IC102	IC LA3220	800480
IC505	IC LM311	193105
IC504	IC LM324E OP-AMP	273967
IC103	IC MC-14013BCP / 4013 CMOS	203976
IC506	IC AMS41922 80C52 CPU	
IC701,702	KS56C-220 LCD Driver	203977
	IC BU4066B / 4066BE CMOS	203978
IC101	IC BA3416BL AMP	201805
	IC BA4558 OP-AMP	203341
IC104	IC BA5412 Power AMP	203713
IC8	IC BA6209N Motor Deiver	254016
	IC BA6296FP Motor Driver	203949
IC1	IC CXA1081Q	203613
IC4	IC CXA1082BQ	203338
IC2	IC CDX1167Q	203979
IC3	IC CXP1011Q CPU	203948
	IC UPD6122G-001 Remote	203980
IC501	IC U4261B CMOS Audio Pro	203981
IC503	IC C4052 TC4052 CMOS	203982
	IC 782C52 CPU	203983
IC507	IC MN93C46N CPU	203984
IC6	IC LC7881CD DA Convertor	203985
Q902	IC L7805CV NJM7805FA	271002
Q901	IC L7905CV	273810
IC601	IC TA7358AP Front End	203986
IC602	IC TA8132AN	203710
IC603	IC TC9217P	203987
IC502	IC TEA6360	203988
IC604	IC SAA6579T	203989
	Transistors	
Q6	TR 2SB1010 Q	250476
Q126	TR 2SB1064 E	203960
	TR 2SC124	203961
Q101-106 110-114 116,117,119 121,124,125 501,503-506,517 603,609 615,616 618,704	TR 2SC458 2SC1815	203962
Q604	TR 2SC535	203963
Q123	TR 2SC1162 C	203964
Q601	TR 2SC1417 H/G	203965
Q605-608	TR 2SC2878 B	203966
	TR BN1L4M	203968

Ref. No.	Description	Pt. No.
Q10,13	TR BA1L3Z	203967
Q107-109 115,127 502,508 611,612,701	TR PE8050 B/C/D	203969
Q4,5,118 120,122 507,602 610,617 702,703	TR 2SC8550 B	203970
Q1-3,7-9,12 509-516,705	TR DTC124XS	153010
	Diodes	
D605,606	D 1SV101 VARICAP	203990
D607-610	D1SV149B VARICAP	203991
D1-8,10 101-108 112-117 120-124 126,502-507,601-604,611-614,701-710	D IN4148	270754
D9,504	DZ WZ-033 3.3V 1/2W	
D118	DZ BZX55C6V8 6.8V 1/2W	
D111,125	DZ 05Z10Z 10V 1/2W	
D109	DZ 05AZ12 12V 1/2W	
D110,119 501,905-907	D IN4001B RECT	192506
	D IN5401BL RECT	809254
LD201-204 701	LED SE-3001DT RED	
	Coils	
T601	Coil IF 7A127N	203992
T605	Coil IF 4A-224R	203993
T101	Coil IF 4A-363R	203994
L611	Coil IF 3A545R LW RF Black	203995
T603	Coil IF 1A611R	203996
T604	Coil IF 1A612R	203997
L610	Coil IF 1A784R MW RF Black	203998
L602	Coil FM RF 3T 5MM	203999
L601	Coil FM RF 4T 5MM	204001
L501	Coil Ferrite Mulit Turn B-6031A	
L505-508	Coil 100UH 1128 CEC-101K	
L502-504 608	Coil 10UH CEC-100K	
L603-607 609	Coil 220UH CEC-221K LAL03 NA221K	
L612	Coil 2.2UH CEC-2R2K-708016	

Ref. No.	Description	Pt. No.
	Variable Resistors	
SFR5,6	VRSF 1K Ω A03B13	
VR103	VRSF 10K Ω FRB-085	
VR104,105	VRSF 5K Ω BTR-085	
SFR1-3	VRSF 20K Ω A03B24	
SFR4	VRSF 50K Ω A03B54	
VR101	VR 1K Ω E2A F20 A13	
VR102	VR 100K Ω EVU-E3A-F20B15	204015
	Switches	
SW101,102 201-206 701-714 720-730 801-806	Sw PB Tact JO83A	204010
	Sw Leaf LSA-1115RK1	204011
SW104	Sw Record 6P2T PS62D01	204012
SW103	Sw Slide MSK2X3RG9	204013
	Miscellaneous	
R571,588	Res Network EXB-Z9E103J	
TC601-603	Trimmer Capacitor FR169	
X601	Crystal 7.2MHz	203971
X602	Crystal 8.664MHz	203972
X501	Crystal 12.0000MHz	203973
CF605	Ceramic Filter SFE-10.75MH5M Blue/Red	204002
CF601,602	Ceramic Filter KMF C366-A SFE10.7MA5-A	204003
CF603	Ceramic Filter SFU450B	204004
BPF601	Bandpass Filter BPMB8L	204120
CF604	Ceramic Resonator CSB456F18	204006
X1	Ceramic Resonator Murata 1693	204007
X2	Ceramic Resonator 4MHz CSA4.00MG	204008
	Ceramic Resonator CSB456F18	204009
	Ferrite Multiturn Device	204016
	Ferrite Core Cylindrical	204017
	Remote Control Photo Receiver	204018
LCD701	LCD Display Dsp/AE9322 BU5846EZ	204019
JK202	Headphone Jack 3.5MM 08D	204020
JK201	Headphone Jack 3.5MM 09A1	204021
JK501	Phono Jack Red & White FM 75 Ohm Antenna Jack	
CON601	External Speaker Jack Black	204022
CN106	External Speaker Jack Red	204023
	Power Tx EI-66/32 240V	204024
	Fuse T-1A 250V	240084
	Fuse T-3.15A 250V	171531
PL801-806	Bulb 5V 30MA	204025
	AC Socket 220V	203737
	Buzzer	20426
	Speaker Assy	204073

Ref. No.	Description	Pt. No.
!	AC Cord 6' Figure 8 Type	203636
	AC Cord Euro	203794
	Cassette Deck TN-21ZMSW-1407 Assy	204028
	CD Deck Mechanism Complete	204029
	Remote Control Handset	204072
	Battery Door Remote Control	204039
	Carton CD Unit	204076
	Carton Cassette Unit	204075
	Carton Speaker	204074
	Poly CD Unit	
	Poly Cassette Unit	
	Speaker Poly	
	User Instructions	204071

Description	Ref. No.	Pt.No
	Resistors	
	1/4w Carbon Film	
5.6 Ω	R116,139	
10 Ω	652R	
15 Ω	R134	
22 Ω	R196,603	
33 Ω	R182,602	
47 Ω	R167,168,572-576,629,646	
56 Ω	R556	
100 Ω	R104,131,520,535,557,609	
120 Ω	R143,155	
180 Ω	R301,302,641	
220 Ω	R107,109,620,1125,1127	
330 Ω	R118,119,161,166,558,561,616 662,712	
470 Ω	R190,518,519,576A,587,638 1104,1108	
680 Ω	R169,194,1110,	
1K Ω	R101,102,136,145,158,183,197 512-517,542,554,555,567,589-593,601,610,613,626,631,633 656,660,667,732,1602	
1.2K Ω	R1121,1122	
1.5K Ω	R175,178,201-204,1111,1116	
2.2K Ω	R103,113,122,125,160,164,174 177,192,581-585,645,653,654 1604-1609	
3.3K Ω	R115,173,176,506,507,1601,1641	
4.7K Ω	R114,154,511,543,612,625,628 630,632,634,635,647,648,727 1611-1613,1615,1622-1626	
5.6K Ω	R106,108,536,538	
6.8K Ω	R502,503	
8.2K Ω	R191	

Description	Ref. No.	Pt. No.
	Carbon Film 1/4w	
10K Ω	R114,123,124,126,127,135,137 138,148,149,156,171,179,181 184,186,187,526,528,540,541 545,547,549,551,553,560,563 569,570,580,586,597,598,600 636,637,639,640,643,655,661 665,666,701-703,708-711,750 1101,1106,1107,1109,1113 1117,1126,1603,1610,1616-1618,1627	
15K Ω	R663	
18K Ω	R128,129,188,193,522-525,531 532,1102	
22K Ω	R140,141,530,544,546,548,550 552,619,623,624,642,664,668	
27K OHM	R501,504,505,508	
33K Ω	R198,199,1123,1124	
47K Ω	R162,168,521,529,537,539,559 562,596,599,604,605,665,728	
56K Ω	R142,157,533,534,731,1119	
68K Ω	R146,153	
100K Ω	R104,117,130,133,180,185,189 195,568,578,606-608,649-651, 723,730,1103,1112,1115,1118 1120	
120K Ω	R132,170,172	
150K Ω	R611,614	
330K Ω	R105,110,120,121,150,151,159 163,566	
470K Ω	R114	
	1/8w Carbon Film	
10 Ω	R50	
33 Ω	R713	
56 Ω	R57	
100 Ω	R1,70-72	
330 Ω	R13,56	
560 Ω	R66,67	
1K Ω	R6,7,16,23-26,59,73,729	
1.2K Ω	R64,65	
2.2K Ω	R15,58	
3.3K Ω	R36,38,39	
4.7K Ω	R30,715-717	
10K Ω	R10-12,20,40,51,52,704-707	
11K Ω	R8	
18K Ω	R718,722	
22K Ω	R2,17-19,27-29,714	
27K Ω	R3	
33K Ω	R34,42,43	
47K Ω	R32,55,68,69	

Description	Ref. No.	Pt. No.
56K Ω	R60,61	
68K Ω	R46	
82KΩ	R31	
100K Ω	R9,22,35,44,48,62,63,719-721 724-726	
120K Ω	R33	
150K Ω	R45,47	
220K Ω	R37	
1M Ω	R41	
	1/2w Carbon Film	
4.7 Ω	R54	
10 Ω	R509,510	
	Capacitors	
	Ceramic 50v	
2PF	C612	
2.2PF	C1	
5PF	C606	
10pF	C671	
12PF	C613	
15PF	C601,610	
18PF	C603	
22PF	C14,15,80,81,609	
27PF	C547,627,628	
30PF NPO	C577,578	
33PF	C59,60,524,689	
47PF	C24,641,660,661	
50PF	C544,546,648	
100PF	C107,667	
150PF	C40,616	
470PF	C655	
500PF	C657	
.001µF	C9,25,44,109,175,176,179,180 611,614	
0.0047µF	C3,27	
0.005µF	C619,637,640	
0.01µF	C11,16,19,41,45,48,52,53,58,67 602,604,605,608,618,682,901-904	
0.02µF	C177,178,638,642,646,647,652 665,908,911,913,916	
0.04µF	C626,639,682-686,688	
0.1µF	C32,47,50,563,581-584,597-599,624,629,658,659,663,680	

Amstrad reserves the right to supply selective components.

Description	Ref. No.	Pt. No.
	Mylar 100v	
0.001µF	C65,66,123,124,145-148,501-504,553,570	
0.0012µF	C519,541	
0.0015µF	C126,127	
0.0018µF	C517,542	
0.0022µF	C545	
0.0027µF	C568,581	
0.0033µF	C552,569	
0.0047µF	C33,125	
0.0082µF	C551,567	
0.01µF	C5,6,8,121,555,572,623,634 635	
0.012µF	C518,539	
0.015µF	C512	
0.022µF	C122,141,155	
0.027µF	C63,64,557,574	
0.033µF	C7,10,29,36,140,152,521,540 554,571	
0.047µF	C23,34	
0.068µF	C638,654	
0.082µF	C556,5 3,650,651	
0.1µF	C173,174,182,183,531-534,559 576	
0.1µF Mini	C35,38	
0.12µF	C520,543	
0.2µF	C114,115	
	Poly 50v	
150PF	C666	
350PF	C672	
	Tantalum	
0.22µF 35V	C622	
	Semiconductor	
0.1UF 25V	C704,705	
0.22µF 16V	580C	

Description	**Ref. No.**	**Pt.No.**
	Electrolytic	
0.33µF 50V	C558,575	
0.47µF 50V	C30,70,525,526,528,530,548-550,560-562,565,566,579	
0.47µF 50V Mini	C108	
1µF 50V	C69,104,105,110,111,162-164 537,538	
2.2µF 50V	C18,505-510,527,529,535,536 656	
4.7µF 50V	C26,37,61,62,101,102,112,113, 118,119,131,134,142-144,184 631,632,644,649,662,702,703	
10µF 25V	C21,22,117,128,129,136,137 150,151,158,513,633,687,690	
22µF 10V	C153,707	
33µF 10V	C161	
33µF 16V	C13,31,39,43	
47µF 10V	C20,28,54-56,68,71,625,664 701	
47µF 16V	C130,132,135,165,167-170,185 186	
100µF 10v	C4,12,57,910,912,913	
100µF 16v	C103,133,139,149	
220µF 10v	C17,42,106,138,154,159,160 514,585,706	
220µF 16v	C156,166,187	
470µF 10v	C120,515,630,915	
470µF 16v	C157	
1000µF 10v	C46	
1000µF 16V	C171,172	
2200µF 16V	C51	
2200µF 25V	C905	
3300µF 25V	C181	

Note:
Parts without part numbers are for information only.